

## **REMARKS**

### **Claim Rejections**

Claims 1-8 are rejected under 35 U.S.C. § 112, second paragraph. Claims 1-8 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Donomoto et al. (U.S. 4,708,847).

### **Drawings**

Applicant proposes to amend Figures 2, 3 and 4, as illustrated in red on the attached photocopies. In Figure 2 it is proposed to change "Preset" to read --Placed--. In Figure 3 it is proposed to add reference numbers A1, A2 and A3. In Figure 4 it is proposed to add reference numbers A1 and A2. No "new matter" has been added to the original disclosure by the proposed amendments to these figures.

It is believed the foregoing proposed amendments obviate the outstanding objections to the drawings. Approval of the proposed drawing changes is respectfully requested.

### **Abstract of the Disclosure**

Applicant is submitting a substitute Abstract of the Disclosure for that originally filed with this application to more clearly describe the claimed invention. Entry of the substitute Abstract of the Disclosure is respectfully requested.

### **Amendments to Specification**

Applicant has amended the specification as noted above to cure obvious grammatical and idiomatic inaccuracies. It is believed that the foregoing amendments to the specification overcome the outstanding objections thereto. No "new matter" has been added to the original disclosure by the foregoing amendments to the specification.

### **New Claims**

By this Amendment, Applicant has canceled claims 1-8 and has added new claims 9-16 to this application. It is believed that the new claims specifically set forth

each element of Applicant's invention in full compliance with 35 U.S.C. § 112, and define subject matter that is patentably distinguishable over the cited prior art.

The cited reference to Donomoto et al. teaches a method for alloying substances including alloying a first metal onto a second metal.

Donomoto et al. does not teach preparing a sheet copper material having a thickness between 0.1 mm and 8.0 mm; placing the copper sheet material in a molding cavity and positioning a bottom the copper sheet material against a bottom of the molding cavity; nor does Donomoto et al. teach pouring a molten aluminum material over the sheet copper material in the molding cavity using a gravity casting process to create a diffusion bonding to an interface between both of the copper and the aluminum materials.

Applicant submits that Donomoto et al. do not disclosure, or suggest a modification of their specifically disclosed structures that would lead one having ordinary skill in the art to arrive at Applicant's claimed structure. Applicant hereby respectfully submits that no combination of the cited prior art renders obvious Applicant's new claims.


### **Summary**

In view of the foregoing amendments and remarks, Applicant submits that this application is now in condition for allowance and such action is respectfully requested. Should any points remain in issue, which the Examiner feels could best be resolved by either a personal or a telephone interview, it is urged that Applicant's local attorney be contacted at the exchange listed below.

Respectfully submitted,

Date: March 3, 2005

By:

  
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Application No. 10/674,351

**IN THE DRAWINGS:**

Please amend Figures 2, 3 and 4 as illustrated in red on the attached photocopies.